

# Republican River Compact Administration Groundwater Model

As part of the Final Settlement Stipulation in Kansas v. Nebraska and Colorado, No 126 Original which resolved the interstate dispute between the States of Colorado, Kansas and Nebraska on the Republican River, a groundwater model was developed by a Technical Groundwater Modeling Committee comprised of representatives from all three states. The committee meetings were also attended by representatives of the United States.

The following persons participated in the Technical Groundwater Modeling Committee meetings:

**Colorado**

Ken Knox  
Bill Fronczak  
Willem Schreuder  
Jim Slattery

**Kansas**

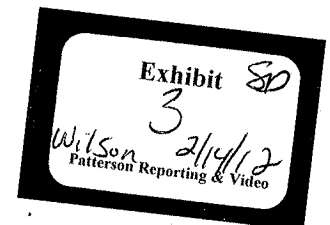
George Austin  
David Barfield  
Dale Book  
Mary-Kay Brengosz  
Steve Larson

**Nebraska**

Evan Anderman  
Ann Bleed  
Jerry Kenny  
Larry Land  
Derrel Martin  
Michael McDonald  
Dan Morrissey  
Jennifer Schellpeper  
Chuck Spalding  
Lee Wilson

**United States**

Alan Burns  
Mark Phillips



Through a series of meetings over about a year, the committee went through a series of refinements of the model. The original USGS model of Landon et. al. was counted as version 1. The final version of the model presented here is known as Version 12p7, or simply Version 12p. This version of the model represents the end result of the joint efforts of the three States with input from the United States.

Data Files

Model Geometry

Aquifer Properties

Well Pumping

Recharge

Evapotranspiration

Predicted Heads

Baseflow Predictions

Hydrographs

Water Budget

Model Predicted Impacts

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